

SUBSTITUTE SPECIFICATION

SUMMARY OF THE DISCLOSURE

[0004] One aspect of the invention is to improve a respiratory mask of this type in such a way that gas can escape from the exhalation opening without causing any appreciable noise disturbance.

[0005] One advantage of the disclosed respiratory mask is mainly that, by means of a large number of membrane elements disposed on the mask body, a large surface area is obtained for the discharge of the expiratory gas and of the basic gas flow required for CPAP ventilation, with the result that a stream of gas at low speed is possible.

[0006] By virtue of the geometry of the membrane elements and the interplay between inherent elasticity and porosity, a specific pneumatic resistance can be set, from which it is possible to ensure a defined basic pressure in the interior of the mask for CPAP ventilation. By changing the physical characteristics of the membrane elements, an individual mask can be produced for each CPAP pressure and can be attached to a nonspecific high-pressure source via the inhalation opening, the excess gas being able to flow outward through the membrane elements.

[0007] The mask specified according to the disclosure can be produced from flat, lightweight material with minimal packaging and it therefore has good wearing properties. The membrane elements can be joined together as strip-shaped components to form a cloth